AMENDMENTS TO THE CLAIMS:

Replacement Claim Set:

- 1. (Currently amended) A pigment dispersion liquid comprising a pigment derivative having a polar group and pigment particles dispersed in a dispersion medium, wherein the pigment particles are precipitated, wherein the difference (D₉₀ D₁₀) between D₉₀ and D₁₀ being not more than 25 nm, and wherein D₉₀ and D₁₀ represent the primary particle size that the pigment particles having a primary particle size up to and including D₉₀ account for 90% by number of the total pigment particles, and the particle size that the pigment particles having a primary particle size up to and including D₁₀ account for 10% by number of the total pigment particles, respectively, in the integral of the primary particle size distribution function dG = f(D) x dD of the pigment particles in which G is a particle number (%) and D is a primary particle size (nm).
- 2. (Original) The pigment dispersion liquid of claim 1, wherein the average primary particle size of the pigment particles is not more than 30 nm.
- 3. (Previously Presented) The pigment dispersion liquid of claim 1, further comprising a water soluble polymer or a surfactant.
- 4. (Previously Presented) The pigment dispersion liquid of claim 3, wherein the water soluble polymer is adsorbed on the surface of the pigment particles.
- 5. (Original) The pigment dispersion liquid of claim 4, wherein the water soluble polymer has an anionic polar group.
- 6. (Original) The pigment dispersion liquid of claim 1, wherein a surfactant is adsorbed on the surface of the pigment particles.

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7. (Canceled).

- 8. (Original) The pigment dispersion liquid of claim 1, wherein the dispersion medium is an aqueous medium containing water in an amount of at least 50% by weight.
- 9. (Withdrawn) A pigment dispersion liquid comprising pigment particles dispersed in a dispersion medium, the polydispersity index (PDI) of the pigment particles represented by formula (1) being not more than 2, formula (1)

$$PDI=(D_{90}-D_{10})/D_{50}$$

wherein D_{90} , D_{50} , and D_{10} represent the primary particle size that the pigment particles having a primary particle size up to and including D_{90} account for 90% by number of the total pigment particles, the primary particle size that the pigment particles having a primary particle size up to and including D_{50} account for 50% by number of the total pigment particles, and the particle size that the pigment particles having a primary particle size up to and including D_{10} account for 10% by number of the total pigment particles, respectively, in the integral of the primary particle size distribution function $dG = f(D) \times dD$ of the pigment particles in which G is a particle number (%) and D is a primary particle size (nm).

- 10. (Withdrawn) The pigment dispersion liquid of claim 9, further comprising a water soluble polymer or a surfactant.
- 11. (Withdrawn) The pigment dispersion liquid of claim 9, wherein a water soluble polymer is adsorbed on the surface of the pigment particles.
- 12. (Withdrawn) The pigment dispersion liquid of claim 11, wherein the water soluble polymer has an anionic polar group.

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13. (Withdrawn) The pigment dispersion liquid of claim 9, wherein a surfactant is adsorbed on the surface of the pigment particles.

- 14. (Withdrawn) The pigment dispersion liquid of claim 9, wherein the pigment dispersion liquid comprises a pigment derivative having a polar group.
- 15. (Withdrawn) The pigment dispersion liquid of claim 9, wherein the dispersion medium is an aqueous medium containing water in an amount of at least 50% by weight.
- 16. (Withdrawn) A process for manufacturing a pigment dispersion liquid, wherein the process comprises the step of mixing a solution containing pigment and a polymer with a liquid medium in which the pigment are insoluble to precipitate pigment particles.
- 17. (Withdrawn) The process of claim 16, wherein the polymer is water soluble, and at least 50% by weight of the liquid medium is water.
- 18. (Withdrawn) The process of claim 16, wherein desalting is carried out at the same time as the precipitation of the pigment particles.
- 19. (Withdrawn) A process for manufacturing a pigment dispersion liquid, wherein the process comprises the step of mixing a solution containing pigment with a liquid medium containing a polymer, the pigment being insoluble in the liquid medium, to precipitate pigment particles.
- 20. (Withdrawn) The process of claim 19, wherein the polymer is water soluble, and at least 50% by weight of the liquid medium is water.
- 21. (Withdrawn) The process of claim 20, wherein desalting is carried out at the same time as the precipitation of the pigment particles.

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22. (Withdrawn) A process for manufacturing a pigment dispersion liquid, wherein the process comprises the step of mixing a solution containing pigment and a surfactant with a liquid medium in which the pigment is insoluble to precipitate pigment particles.

- 23. (Withdrawn) A pigment ink for ink jetting comprising the pigment dispersion liquid of claim 1 or the pigment dispersion liquid manufactured according to the process of claim 16.
- 24. (Withdrawn) A pigment ink for ink jetting comprising the pigment dispersion liquid of claim 9 or the pigment dispersion liquid manufactured according to the process of claim 19.
- 25. (Withdrawn) An ink jet image recording method, wherein the method comprises the step of jetting the pigment ink for ink jetting of claim 23 on a porous ink jet recording sheet to form an image.
- 26. (Withdrawn) The ink jet image recording method of claim 25, wherein the average primary particle size of the pigment particles contained in the pigment ink is not more than 80% of an average void size of the porous ink jet recording sheet.
- 27. (Withdrawn) An ink jet image recording method, wherein the method comprises the step of jetting the pigment ink for ink jetting of claim 24 on a porous ink jet recording sheet to form an image.
- 28. (Withdrawn) The ink jet image recording method of claim 27, wherein the average primary particle size of the pigment particles contained in the pigment ink is not more than 80% of an average void size of the porous ink jet recording sheet.
- 29. (Withdrawn) A process for manufacturing a pigment dispersion liquid, wherein the process comprises the step of adding a pigment solution to an aqueous pigment solu-

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tion in which a pigment derivative having an anionic group is dissolved in an aqueous medium or an aqueous pigment dispersion liquid in which a pigment derivative having an anionic group is dispersed in an aqueous medium.

- 30. (Withdrawn) The process of claim 29, wherein the pigment derivative has the same nucleus as the pigment.
- 31. (Withdrawn) The process of claim 29, wherein the pigment derivative and the pigment each have a quinacridone nucleus, and the pigment solution is a solution in which the pigment is dissolved in an alkali aprotic polar solvent.
- 32. (Withdrawn) The process of claim 29, wherein the anionic group is a sulfonic acid group or its salt group.
- 33. (Withdrawn) A pigment ink manufactured from the pigment dispersion liquid manufactured according to the process of claim 29.
- 34. (Previously Presented) The pigment dispersion liquid of claim 1, wherein the polar group is selected from the group consisting of a sulfonic acid group, a carboxyl group, a phosphate group, a borate group, a hydroxy group, and a group in the form of a salt thereof.